

**Transport Processes and Tissue Engineering Supplement to the  
BME Degree Worksheet  
for Students Following Catalog Year 2009-2010**

Eng credit	√	Course	Course Name	Prerequisites	Add'l Info
<b>Take both of the following courses</b>					
1		BME 350	Transport Fundamentals	ME 202, BME 271, or instructor consent	
1		BME 377	Mechanics of Biological Tissue	Gen Eng 205-1, 2; BME 271	
<b>Take one of the following courses</b>					
1		BME 346	Tissue Engineering	Biol Sci 210-2 or Chem Eng 375; Gen Eng 205-3	
1		BME 349	Bioregenerative Engineering	Biol Sci 210-2	
<b>Take two of the following courses</b>					
1		BME 310	Molecular and Cellular Aspects of Bioengineering	Biol Sci 210-2, Gen Eng 205-3	
1		BME 315	Application of Genetic Engineering to Immunochemistry		
1		BME 317	Biochemical Sensors	Chem through 210-2; Phys through 135-3	
1		BME 343 <sup>+</sup>	Biomaterials and Medical Devices	Mat Sci 201 or 301; senior standing	
1		MAT SCI 370 <sup>+</sup>	Biomaterials		
1		BME 344	Biological Performance of Materials	Mat Sci 201	
1		BME 371	Mechanics of Biological Tissue	Gen Eng 205-1,2; BME 271	
0		BIOL SCI 315*	Cell Biology	Biol Sci 110-1,2,3 or Biol Sci 210-1,2,3	
0		BIOL SCI 390*	Molecular Biology	Biol Sci 210-1,2,3	

\* Only 1 of these courses may be counted toward the track

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